

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2005/000055

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : A61L 27/30, 27/50, 27/04; A61F 2/00 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT; JAPIO; Medline; CAPLUS (surface treat*, surface modif*, coat*, plasma (+/- gas), hydroxylat* (+/- oxidant), 'hydrogen peroxide' (H2O2), impant, prosthesis)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	EP 0 606 566 B1 (NOBEL BIO CARE AB) 12 December 2001 Whole document.	1-39
X,Y	WO 2003/075790 A2 (THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO) 18 September 2003. Whole document.	1-39
X,Y	US 6,033,582 A (LEE et al) 7 March 2000 Whole document.	1-39
X,Y	EP 1 270 018 A1 (ETHICON, INC) 2 January 2003 Whole document.	1-39
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 16 March 2005		Date of mailing of the international search report 30 MAR 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer JULIE GALE Telephone No : (02) 6283 2272

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2005/000055

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	WO 1995/004609 A1 (CIBA-GEIGY AG) 16 February 1995 Whole document.	1-3, 7-24, 28-39
X,Y	Kawashima, N et al., (2003) <i>Key Engineering Materials</i> , vol. 253, pp 73-88. "Comparison of Bioceramic Coatings on Metals from Sol-Gel, PACVD and Precipitation Processes". Whole document.	1-39
X,Y	Stevenson, M et al., (1998) <i>Surface and Interface Analysis</i> , vol 26, pp 1027-1034. "XPS studies of low-temperature plasma-produced graded oxide-silicate-silica layers on titanium". Whole document.	1-39
X,Y	Smart, R et al., "New Approaches to Metal Ceramic and Bioceramic Interfacial Bonding", in <i>Ceramics Interfaces 2</i> , eds H-I Yoo and S-J Kang, Inst. Materials Communications Ltd. (UK), 2001 pp 293	1-39
A	US 5,260,093 A (KAMEL et al.) 9 November 1993 Whole document.	1-39
A	US 6,071,335 A (BRAGGS et al.) 6 June 2000 Whole document.	1-39
A	WO 2000/032248 A1 (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 8 June 2000. Whole document.	1-39
A	Jacobs P. and Kowatsh R. (1993) <i>End. Surg.</i> , vol. 1, pp 57-58. "Sterrad Sterilization System: A New Technology for Instrument Sterilization". Whole document.	1-39
A	US 5,543,019 A (LEE et al.) 6 August 1996 Whole document.	1-39
A	US 5,236,563 A (LOH) 17 August 1993 Whole document.	1-39

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2005/000055

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,451,428 A (RUPP) 19 September 1995 Whole document.	1-39
A	US 5,080,924 A (KAMEL et al.) 14 January 1992 Whole document.	1-39

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2005/000055

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
EP	0606566	AU	52179/93	CA	2110732	JP	6225891
		SE	9203663	US	5697997		
WO	03075790	AU	2003217971				
US	6033582	AU	18350/97	AU	41202/99	CA	2243069
		CA	2307612	EP	0880369	EP	1047563
		NZ	331008	US	5843289	US	6464889
		US	6582470	WO	9726026	WO	9936276
EP	1270018	AU	48812/02	CA	2391899	JP	2003047645
		US	6787179	US	2003175408		
WO	9504609	AU	76097/94	CA	2166991	EP	0713429
		FI	960528	NO	960516	NZ	271971
		ZA	9405929				
US	5260093	AU	58453/94	EP	0668798	US	5080924
		US	5326584	US	5578079	WO	9411118
US	6071335	AU	38986/95	BR	9509771	GB	2309453
		WO	9617021				
WO	0032248	AU	19261/00	US	6379741	US	6685743
		US	2003040807				
US	5543019	AU	66391/94	WO	9425637		
US	5236563						
US	5451428	EP	0519087	JP	5220217		
US	5080924	AU	58453/94	EP	0668798	US	5260093
		US	5326584	US	5578079	WO	9411118
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							

BEST AVAILABLE COPY